EZURiO

WISM Application Note

Pin Assignment Compatibility Siemens MC55 / EZURiO WISMC02BI and WISMC04BI

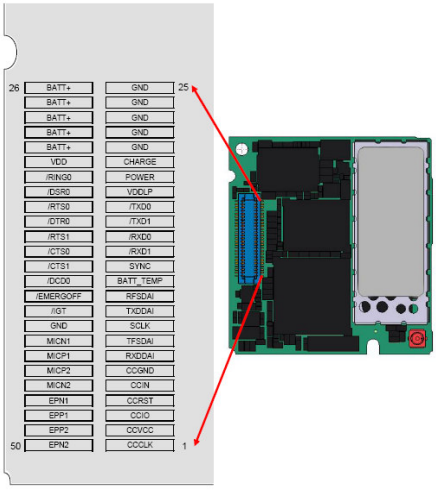
Overview

This document provides a comparative view of the pin assignments between the Siemens MC55 GSM / GPRS Module and the EZURiO Wireless LAN Module.

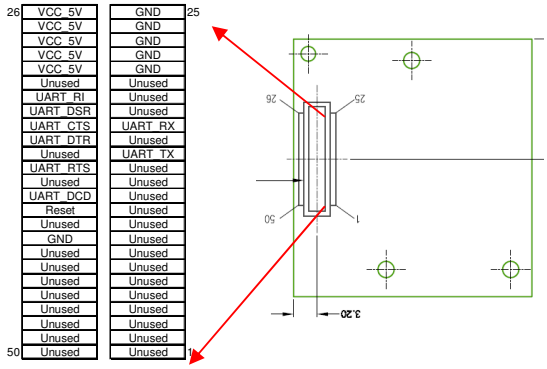
This document is to be used as a guide for pin compatibility between the two modules, for full details of the physical dimensions and module functionality please refer to the relevant module datasheet.

Pin Assignments

The following images show a comparison between the Siemens MC55 GSM / GPRS Module and the EZURiO Wireless LAN Module as viewed from the connector side.



Pin assignment Siemens MC55



Pin assignment EZURiO WISM MC55

All unused pins on the EZURiO Wireless LAN module are floating connections and are not affected by voltage or signals if the module is used as a direct replacement for the Siemens MC55 GSM / GPRS Module.

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50 Way Hirose Connector Pin Out

Signal Name (MCS55)	Pin Number (MCS55)	WISM Signal Name	Input / Output	Signal Level (at I_{OH}, I_{OL} = 0mA)	Comments
CCCLK	1				Unused
CCVCC	2				Unused
CCIO	3				Unused
CCRST	4				Unused
CCIN	5				Unused
CCGND	6				Unused
RXDDAI	7				Unused
TFSDAI	8				Unused
SCLK	9				Unused
TXDDAI	10				Unused
RFSDAI	11				Unused
BATT_TEMP	12				Unused
SYNC	13				Unused
RXD1	14				Unused
RXD0	15	UART_TX	O	V_{OLmax} = 0.2V V_{OHmin} = 2.8V	
TXD1	16				Unused
TXD0	17	UART_RX	I	V_{ILmax} = 0.5 V_{IHmin} = 2.1 V_{IHmax} = 3.3	
VDDLP	18				Unused
POWER	19				Unused
CHARGE	20				Unused
GND	21	GND			
GND	22	GND			
GND	23	GND			
GND	24	GND			
GND	25	GND			
BATT+	26	VCC_5V		3.3V – 5.0V	
BATT+	27	VCC_5V		3.3V – 5.0V	Ditto
BATT+	28	VCC_5V		3.3V – 5.0V	Ditto
BATT+	29	VCC_5V		3.3V – 5.0V	Ditto

BATT+	30	VCC_5V		3.3V – 5.0V	Ditto
VDD	31				Unused
RING0	32	UART_RI	O	V_{OLmax} = 0.2V V_{OHmin} = 2.8V	
DSR0	33	UART_DSR	O	V_{OLmax} = 0.2V V_{OHmin} = 2.8V	
RTS0	34	UART_CTS	I	V_{ILmax} = 0.5 V_{IHmin} = 2.1 V_{IHmax} = 3.3	
DTR0	35	UART_DTR	I	V_{ILmax} = 0.5 V_{IHmin} = 2.1 V_{IHmax} = 3.3	
RTS1	36				Unused
CTS0	37	UART_RTS	O	V_{OLmax} = 0.2V V_{OHmin} = 2.8V	
CTS1	38				Unused
DCD0	39	UART_DCD	O	V_{OLmax} = 0.2V V_{OHmin} = 2.8V	
EMERGOFF	40	RESET	I		
IGT	41				Unused
GND	42	GND			
MICN1	43				Unused
MICP1	44				Unused
MICP2	45				Unused
MICN2	46				Unused
EPN1	47				Unused
EPP1	48				Unused
EPP2	49				Unused
EPN2	50				Unused